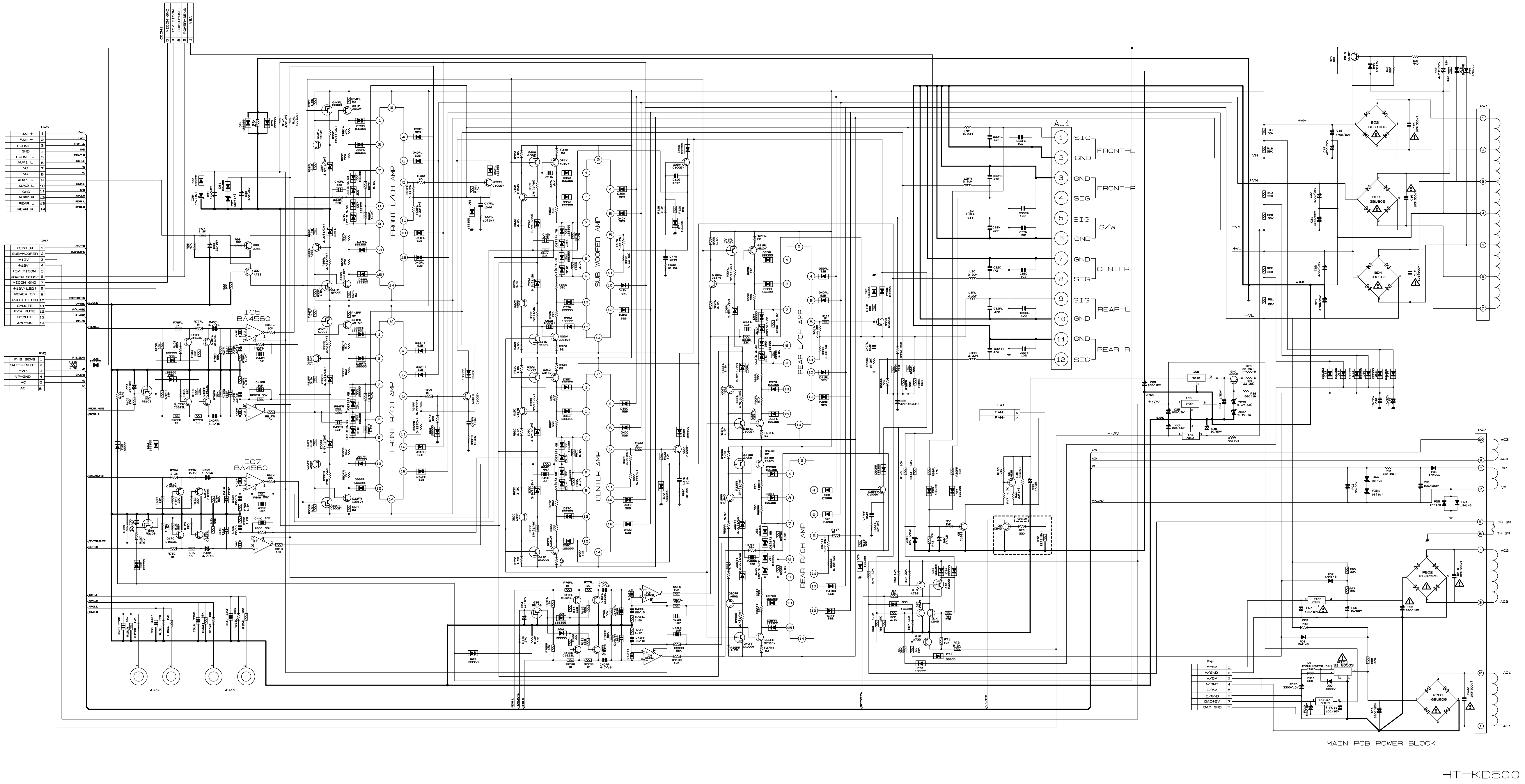
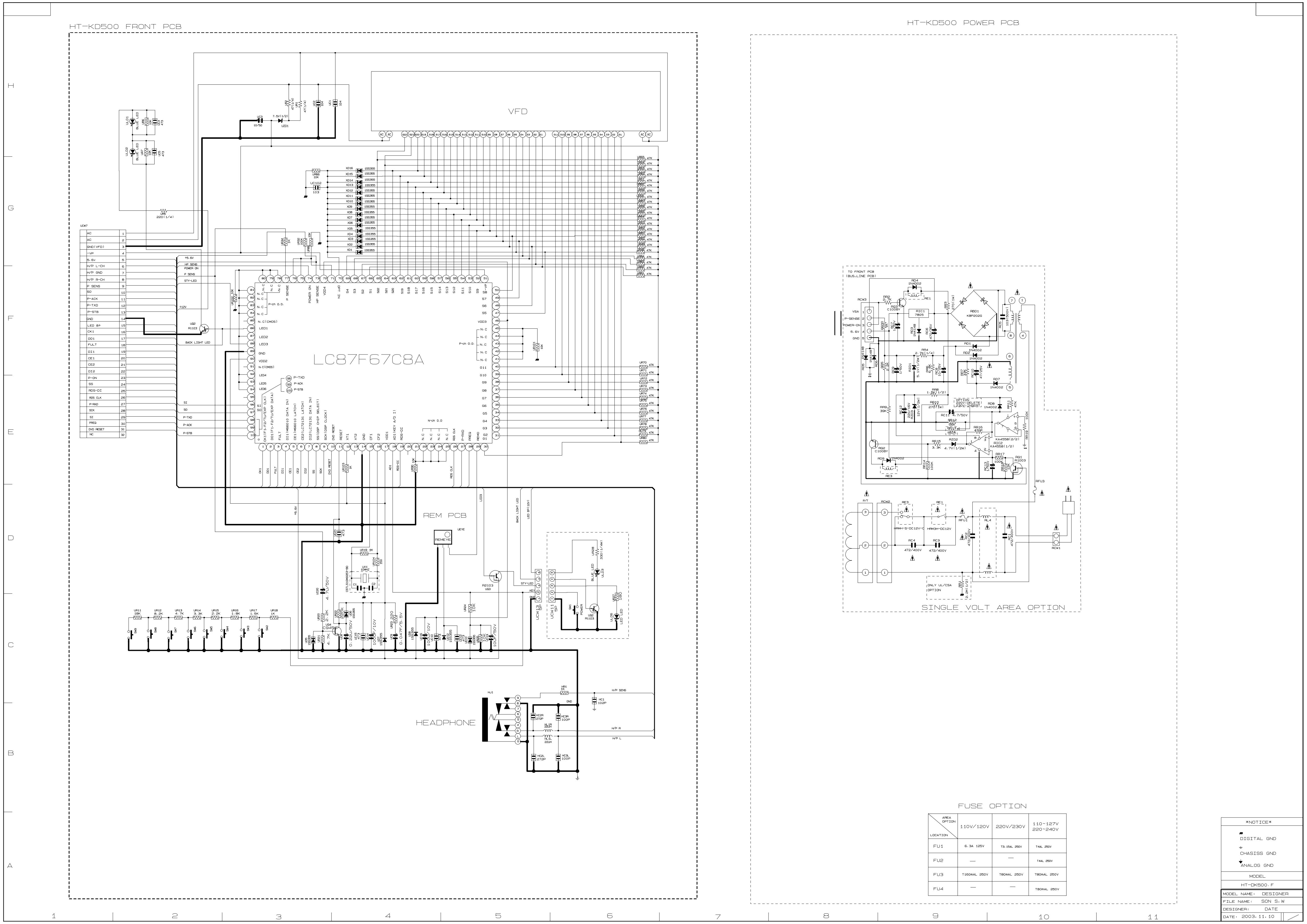
6-1 MAIN


CN5
FAN +
FAN -
FRONT L
GND
FRONT R
AUX1 L
NC
NC
AUX1 R
AUX2 L
GND
AUX2 R
REAR L
REAR R
CN7
CENTER
SUB-WOOFER
-12V
+12V
+5V MICOM
POWER SENSE
MICOM GND
+12V(LED)
POWER ON
PROTECTION
C-MUTE
F/W MUTE
R-MUTE
AMP-ON
PN3
F.B SENS
SAT-F/MUTE
-VP
VP-GND
AC
AC
IC5
BA4560
IC7
BA4560
FRONT L/CH AMP
FRONT R/CH AMP
SUB WOOFER AMP
CENTER AMP
REAR L/CH AMP
REAR R/CH AMP
AJ1
SIG
GND
FRONT-L
GND
SIG
FRONT-R
SIG
GND
S/W
GND
SIG
CENTER
SIG
GND
REAR-L
GND
SIG
REAR-R
PN1
FAN+
FAN-
PN2
AC3
VP
TH-SW
AC2
AC1
PN4
M-5V
M/GND
A/5V
A/GND
D/5V
D/GND
DAC+5V
DAC-GND
AUX2
AUX1
MAIN PCB POWER BLOCK
HT-KD500

6-2 FRONT & POWER


HT-KD500 FRONT PCB
HT-KD500 POWER PCB
VFD
LC87F67C8A
REM PCB
REMEYE
HEADPHONE
UCW7
1 AC
2 AC
3 GND(VFD)
4 -VP
5 5.6v
6 H/P L-CH
7 H/P GND
8 H/P R-CH
9 P SENS
10 SO
11 P-ACK
12 P-TXD
13 P-STB
14 GND
15 LED B+
16 CK1
17 DO1
18 FULT
19 DI1
20 CE1
21 CE2
22 DI2
23 P-ON
24 SS
25 RDS-DI
26 RDS CLK
27 P-RXD
28 SCK
29 SI
30 PREQ
31 DVD RESET
32 NC
+5.6V
HP SENS
POWER ON
P SENS
STY-LED
+12V
UQ2 R1103
BACK LIGHT LED
UR5 220(1/4)
UR102 10K
TO FRONT PCB (BUS_LINE PCB)
RCW3
VSA
P-SENSE
POWER-ON
5.6V
GND
RD4 1N4002
RR2 2.7K
RQ3 C100BY
RIC1 7805
RBD1 KBP202G
RR3 270(1W)
RC5 103(500V)
RC6 470/35V
RC7 1/50V
RD3 1N4148
RD1 1N4002
RD2 1N4002
RR4 2.7K(1/4)
RZD1 5.1V(1/2W)
RR6 6.8K
RC8 10/25V
RR7 33K
RC10 47/25V
RD7 1N4002
RR8 1.5K(1/2)
RR10 270(1W)
OPTION 220V:DELETE 230V:INSERT
RD8 1N4002
RR11 47K
RC11 4.7/50V
RR12 56K
RR13 560K
RR16 470K
RR9 39K
RC12 220/16V
RZD3 12V(1/2W)
RR15 3.3K
RZD2 4.7V(1/2W)
RIC2 KA4558(1/2)
KA4558(2/2)
RR19 100K
RQ2 C100BY
RD9 1N4002
RE3
RR14 100K
RR17 100K
RR18 12K
RC13 1/50V
RQ1 R1003
RFU3
P/T
RCW2
RE1
HRMH-S-DC12V-C
HRM3H-DC12V
RFU1
RL4
RC4 472/400V
RC3 472/400V
RC2
RC1
RCW1
ONLY UL/CSA OPTION
SINGLE VOLT AREA OPTION

FUSE OPTION

LOCATION \ AREA OPTION	110V/120V	220V/230V	110~127V 220~240V
FU1	6.3A 125V	T3.15AL 250V	T4AL 250V
FU2	—	—	T4AL 250V
FU3	T160mAL 250V	T80mAL 250V	T80mAL 250V
FU4	—	—	T80mAL 250V

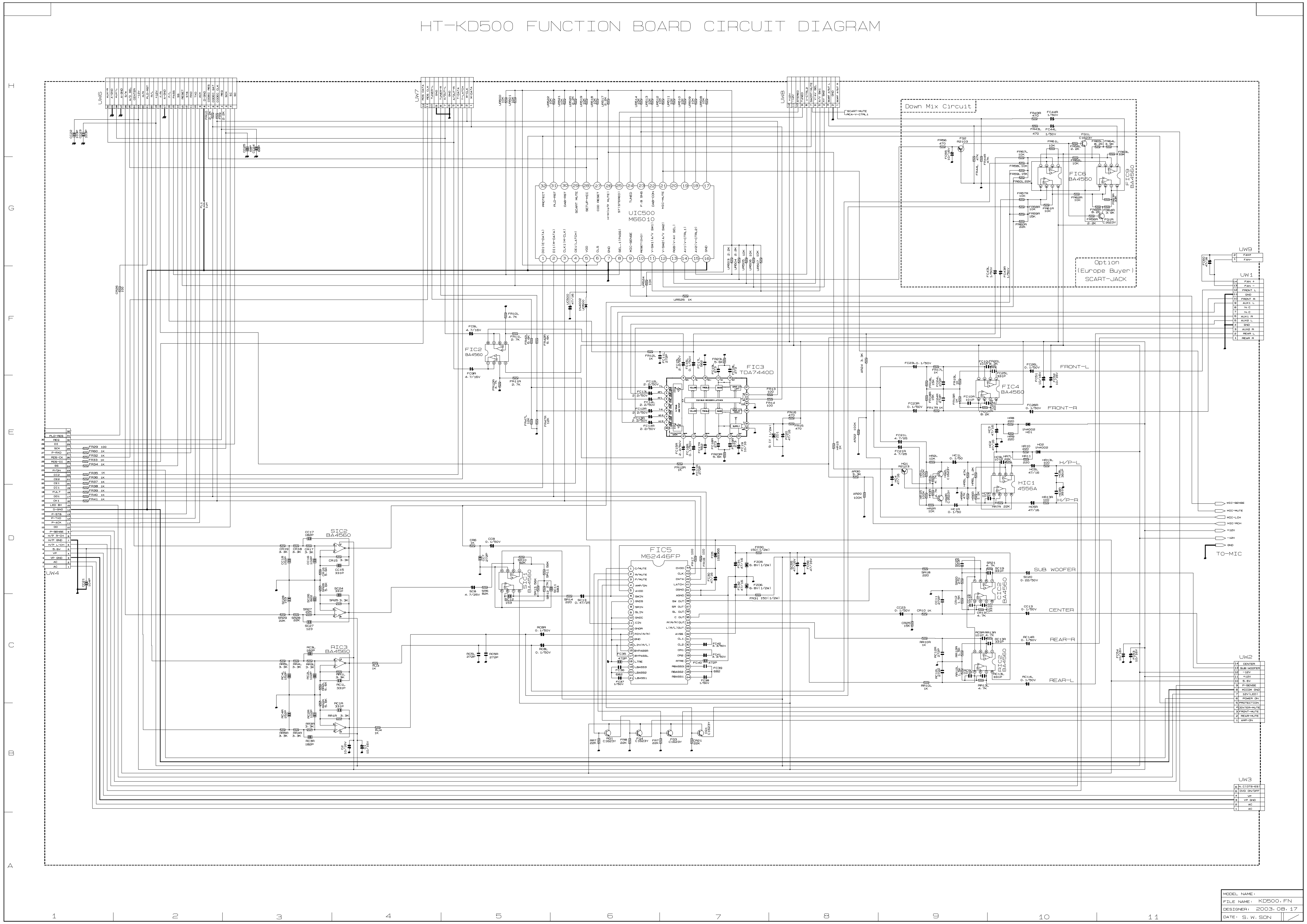
NOTICE

DIGITAL GND

CHASISS GND

ANALOG GND

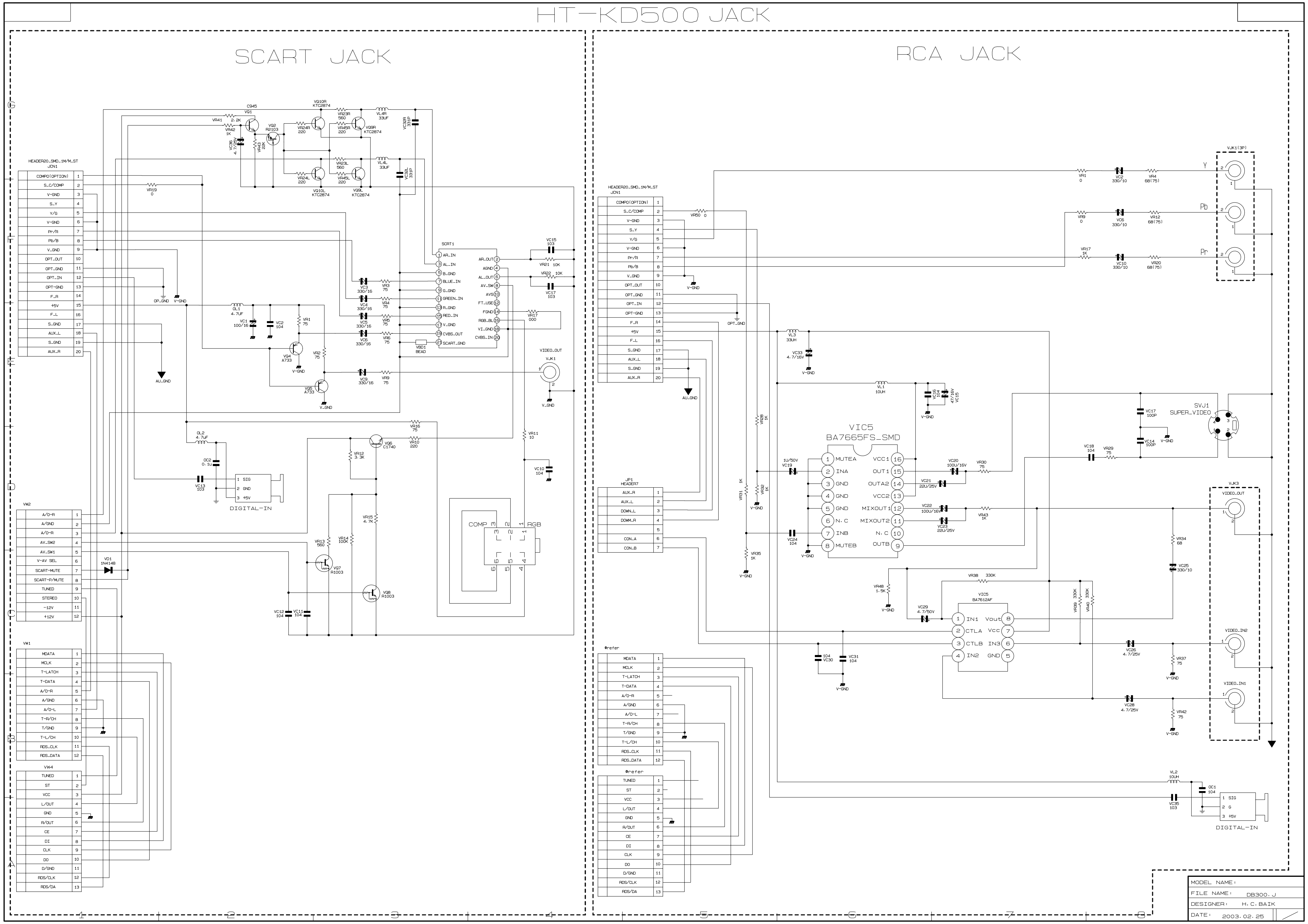
MODEL	
HT-DK500.F	
MODEL NAME:	DESIGNER
FILE NAME:	SON S.W
DESIGNER:	DATE
DATE: 2003.11.10	

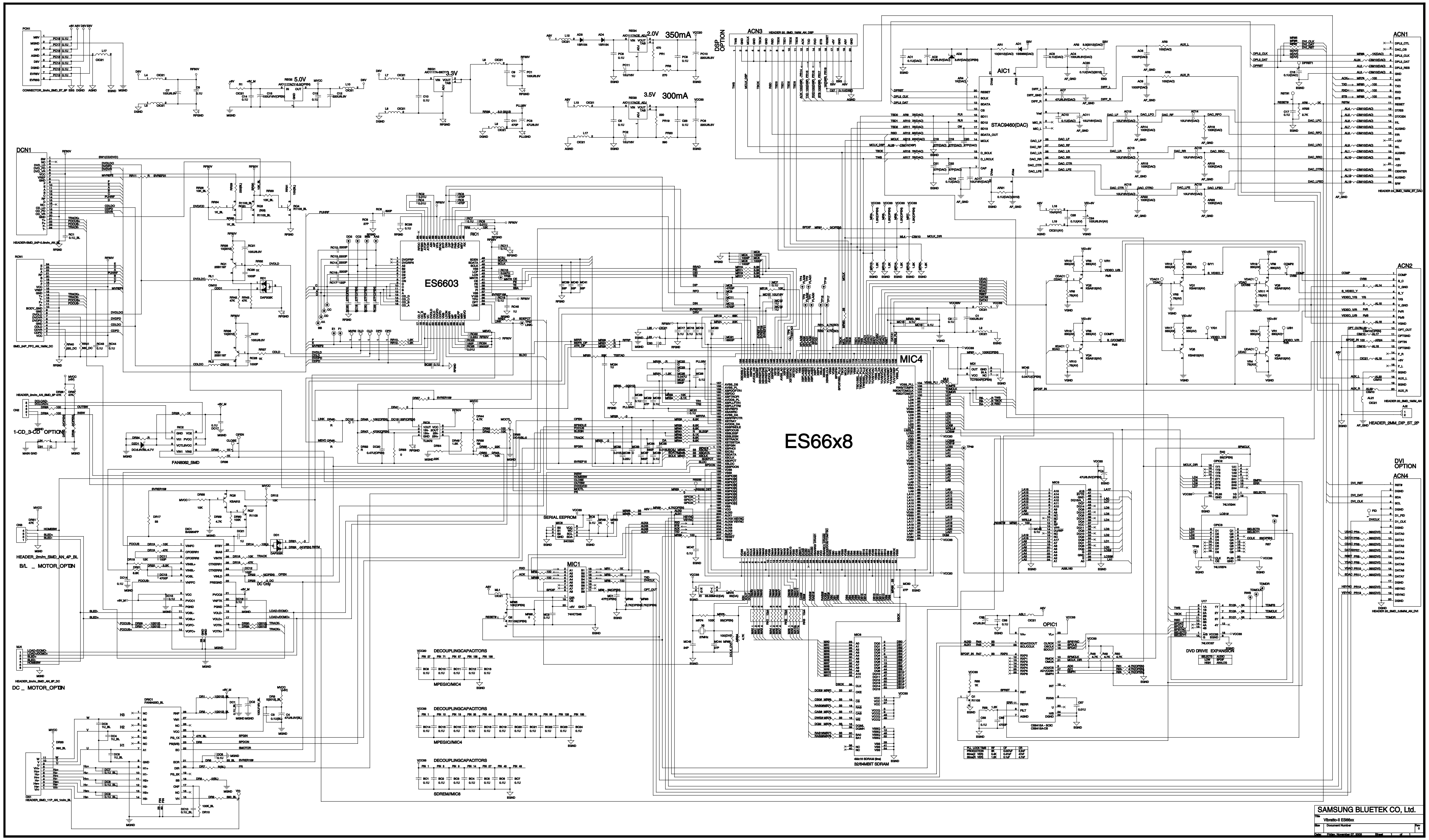


HT-KD500 FUNCTION BOARD CIRCUIT DIAGRAM

UW6
UW7
UW8
Down Mix Circuit
FIC6
BA4560
FIC8
BA4560
UIC500
M66010
Option
(Europe Buyer)
SCART-JACK
UW9
UW1
FIC2
BA4560
FIC3
TDA7440D
FIC4
BA4560
FRONT-L
FRONT-R
HIC1
4556A
H/P-L
H/P-R
UW4
SIC2
BA4560
FIC5
M62446FP
SUB WOOFER
CENTER
CIC2
BA4560
REAR-R
REAR-L
RIC3
BA4560
RIC2
BA4560
TO-MIC
UW2
UW3
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
MODEL NAME:
FILE NAME: KD500.FN
DESIGNER: 2003.08.17
DATE: S.W.SON

6-4 JACK (SCART, RCA)


HT-KD500 JACK
SCART JACK
RCA JACK
HEADER20_SMD_1M/M_ST
JCN1
COMPO(OPTION)
S_C/COMP
V-GND
S_Y
Y/G
Pr/R
Pb/B
V_GND
OPT_OUT
OPT_GND
OPT_IN
OPT-GND
F_R
+5V
F_L
S_GND
AUX_L
AUX_R
SCRT1
AR_IN
AL_IN
B_GND
BLUE_IN
G_GND
GREEN_IN
R_GND
RED_IN
V_GND
CVBS_OUT
SCART_GND
AR_OUT
AGND
AL_OUT
AV_SW
AVS
FT_USE
FGND
RGB_BL
VI_GND
CVBS_IN
VIDEO_OUT
VJK1
OP_GND
AU_GND
DIGITAL-IN
SIG
GND
+5V
COMP
RGB
VW2
A/D-R
A/GND
A/D-R
AV_SW2
AV_SW1
V-AV SEL
SCART-MUTE
SCART-P/MUTE
TUNED
STEREO
-12V
+12V
VW1
MDATA
MCLK
T-LATCH
T-DATA
A/D-R
A/GND
A/D-L
T-R/CH
T/GND
T-L/CH
RDS_CLK
RDS_DATA
VW4
TUNED
ST
VCC
L/OUT
GND
R/OUT
CE
DI
CLK
DO
D/GND
RDS/CLK
RDS/DA
JP1
HEADER7
AUX_R
AUX_L
DOWN_L
DOWN_R
CON_A
CON_B
*refer
VIC5
BA7665FS_SMD
MUTEA
INA
GND
N.C
INB
MUTEB
VCC1
OUT1
OUTA2
VCC2
MIXOUT1
MIXOUT2
OUTB
BA7612AF
IN1
CTLA
CTLB
IN2
Vout
Vcc
IN3
VJK1(3P)
Y
Pb
Pr
SVJ1
SUPER_VIDEO
VJK3
VIDEO_IN2
VIDEO_IN1
MODEL NAME:
FILE NAME: DB300.J
DESIGNER: H.C.BAIK
DATE: 2003.02.25


5.0V
3.3V
2.0V 350mA
3.5V 300mA
DSP OPTION
ACN3
AIC1
STAC9460(DAC)
ACN1
DCN1
ES6603
RIC1
MIC4
ES66x8
ACN2
1-CD_3-CD OPTION
FAN8082_SMD
SERIAL EEPROM
MIC1
HEADER_2mm_SMD_AN_4P_BL
B/L _ MOTOR_OPTION
DC _ MOTOR_OPTION
DECOUPLINGCAPACITORS
MPEG/C/MIC4
SDREM/MIC6
DVI OPTION
ACN4
OPIC1
DVD DRIVE EXPANSION
16Mx16 SDRAM (8ns)
32/64MBIT SDRAM
SAMSUNG BLUETEK CO., Ltd.
Vibratto-II ES66xx